



BeeCon 2024 – Schedule at a Glance
Thursday, October 17 – Friday, October 18, 2024
Note: all times given are in the Eastern Time Zone (Toronto/New York).
For more information, visit <https://www.yorku.ca/bees/beecon-2024/>.



Day 1 – Thursday, October 17, 2024 (Virtual Presentations and Attendance Only)

- 8:30AM - #1 Laura Newburn (BEEc Coordinator), **Introducing BEEc and BeeCon - Day 1**
- 8:45AM - #2 Kit Prendergast, **Using bee hotels to assess fitness impacts of the European honey bee *Apis mellifera* on cavity nesting native bees**
- 9:15AM - #4 Sydney Wizenberg, **Monitoring phenological changes via the plant-pollinator interface**
- 9:30AM - #5 Avi Eliyahu, **Foraging preferences, immune function, and ecological communities : The Factors Affecting the Spread of Viruses in Bee Communities in Central Israel**
- 9:45AM - #6 Arielle Lofchick, **Assessing Climate Change Impacts on Pollinators and Forage Plants in Mediterranean shrublands**
- 10:00AM - **Break**
- 10:30AM - #7 Ratko Pavlovic, **New pollen substitutes for honey bees (*Apis mellifera*) with edible insect flour**
- 10:45AM - #8 Natacha Rossi, **The effect of flower shape and constancy on pollen foraging efficiency**
- 11:00AM - #9 André Krahner, **Standardizing sampling for large-scale bee monitoring programs**
- 11:15AM - #10 Parzival Borlinghaus, **An Insightful View: In-Hive Flatbed Scanners for Non-invasive Long- Term Behavior and Disease Monitoring of Honey Bee Hive Combs**
- 11:30AM - #11 Annalie Melin, **New taxonomic insights into long-legged oil bees: Exploring the Great Escarpment of South Africa**
- 11:45AM - #12 Kathrin Krausa, **BEEtopia a Center for the Conservation of Bees through Research and Education in Tanzania**
- 12:00PM - **Lunch**
- 1:00PM - #13 Sergio Rossoni, **Gustatory sensitivity to amino acids in bumblebees**
- 1:15PM - #14 Oleg Lewkowski, **Enhancing the reliable and effective long-term monitoring of bee diversity in agricultural landscapes through DNA-metabarcoding**
- 1:30PM - #15 Nicolas Picat Saridakis and Lucy Xu, **Tracing and Scaling the Value of Native Pollination for a More Feasible Future**
- 1:45PM - #16 Bandele Sharma Morrison, **Medicinal plants for bees**
- 2:00PM - #17 Avery Russell, **Ecological and evolutionary consequences of buzz pollination**
- 2:15PM - #18 John Pascarella, **Pollination biology of the federally threatened Texas endemic *Hibiscus dasycalyx* (Malvaceae)**
- 2:30PM - #19 Daniel Ibiyemi, **Foraging Behavior of Bees on Centipedegrass Spikelets**
- 2:45PM - **Break**
- 3:15PM - #20 Anupreksha Jain, **Automating bumble bee tracking to study sublethal impacts of pesticides on behavior**
- 3:30PM - #21 Julia Leone, **Habitat Assessments for Bumble Bees in Minnesota Restored and Remnant Prairie**
- 3:45PM - #22 Frédéric McCune, **Leveraging community science for large-scale monitoring of insect pollinators: insights from *Abeilles citoyennes***
- 4:00PM - #23 Craig Symonds, **Exploring Mexico's Stingless Bees: A Photographer's Perspective**
- 4:15PM - #24 Wyatt Zabinski, ***Andrena nimigracilis*, a New Species (Hymenoptera: Andrenidae) from México**
- 4:45PM - #26 Robin Owen, **Rise and fall of bumble bees in Alberta**
- 5:00PM - #27 Laura Newburn (BEEc Coordinator), **Concluding Remarks**

Thanks
to our

Funders:

The Vice President of Research and Innovation, York University





BeeCon 2024 – Schedule at a Glance (Cont'd)

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Centre for
Bee Ecology,
Evolution &
Conservation



Day 2 – Friday, October 18, 2024 (In-Person Presentations, In-Person or Virtual Attendance)

- 8:30AM - #28 Laura Newburn (BEEc Coordinator), **Introducing BEEc and BeeCon - Day 2**
- 8:45AM - #29 Mariana Rodriguez Lopez, **Effects of air pollutants on honey bee cognition, behavior, and gene expression.**
- 9:00AM - #30 Hongmei Li-Byarlay, **Diversity and pesticide exposures of pollen collected from honeybees and small carpenter bees from different agricultural landscapes**
- 9:15AM - #31 Amanda Liczner, **Unveiling critical habitat: behavioural insights into overwintering and nesting requirements of bumble bees using radio telemetry**
- 9:30AM - #32 Pascale Bider, **Effects of Invasive Plant Removal on an Urban Plant-Bee Community**
- 9:45AM - #33 Nadejda Tsvetkov, **Finding the missing honey bee proteins; a meta analysis**
- 10:00AM - **Break**
- 10:30AM - #34 Philippine Granger Joly de Boissel, **Understanding honeybee-virus interactions through molecular analysis**
- 10:45AM - #35 Lydia Wong, **High and dry: individual reproductive output in subalpine bees declines with increasing drought severity**
- 11:00AM - #36 Taylor Kerekes, **The change in bumble bee abundance, diversity and floral use over time in southern Ontario**
- 11:15AM - #37 Katherine Chau, **The impact of land use and social environment on bee development and their microbiomes**
- 11:30AM - #38 Shawna O'Flaherty, **Which bee families use Canadian goldenrod (*Solidago Canadensis*) on revegetated mine sites in Québec?**
- 11:45AM - **Lunch**
- 1:00PM - #39 Chelsea Cook, **Keynote Presentation**
- 2:00PM - #40 Clement Kent, **Is there a genetic toolkit for the evolution of bee sociality or are other genomic hypotheses more helpful?**
- 2:15PM - #41 Trevor Sless, **Applications of Ultraconserved Element Phylogenetics in Apid Bees**
- 2:30PM - **Break**
- 3:00PM - #42 Anne-Charlie Robert, **Management Methods To Optimize Commercial Bumblebee (*Bombus Impatiens*) Colonies' Performance During The Lowbush Blueberry (*Vaccinium Angustifolium*) Pollination.**
- 3:15PM - #43 Mateus Pepinelli, **Airborne eDNA to track honey bee foraging and health**
- 3:30PM - #44 Jesse Huisken, **Social networks and social environment in a facultatively social bee**
- 3:45PM – #45 Laura Newburn (BEEc Coordinator), **Concluding Remarks**

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